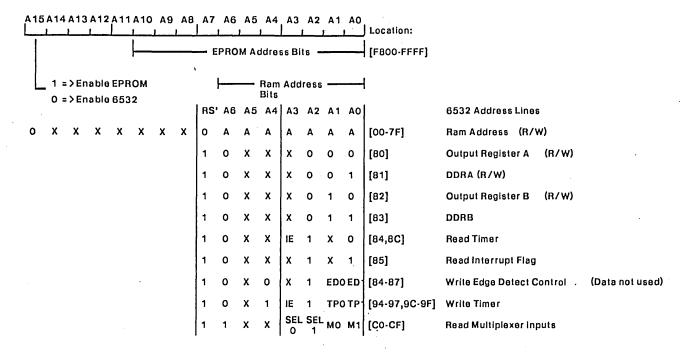


3) VCC and VEE have one .01uf bypass capacitor per IC package.

XEROX	Project	7-Wire Terminal Interface	File	Designer	Rev	Date	Page
PARC		Power Supply	Terminal03.sil	Thacker	GA	4/14/79	3



IE = Disable (0)/Enable (1) timer interrupt TP = Timer Period: 0 = T, 1 = 8T, 2 = 64T, 3 = 1024T

ED = Edge Detect: 0,2 => Disabled

1 => Interrupt on PA7 negative edge

3 => Interrupt on PA7 positive edge

SELO, SEL1 determine the keyboard word transmitted to the multiplexers

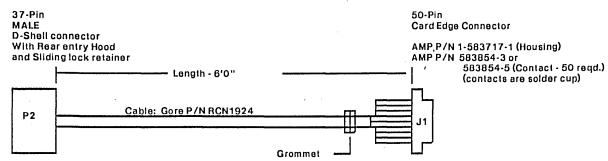
For the Altoll Microswitch keyboard, the bits are as follows:

Address:	7	6	5	4	3	2	1	0		
СЗ	vs	TCO	TC1	0	MX1	MX2	MY1	MY2	II	
C2	KSO	KS1	KS2	кѕз	KS4	MS1	MS2	мѕз	,	
C1	2810	к		Р	/	\	1İ	bs	(KB8-KB15)	
Со	5	4	6	E	7	D	U	V	(кво-кв7)	
C9	z	lshift		;	ret	+	del	none	(KB8-KB15)	
C8	1	980	tab	F	ctrl	С	J	В	(кво-кв7)	O's correspond to
C 5	х	0	L	,	,	1	spare	spare	(кв8-кв15)	
C4	3	2	w	Q	S	А	9	ı	(KBO-KB7)	
CD	lock	space	[=	rshift	spare bot	none	none	(KB8-KB15)	
cc	R	T	G	Υ	н	8	N	М	(кво-кв7)	

These bits end up in Alto memory as follows:

						віт:									
0	1	2	3	4	5	6	7	8	9	0	11	12	13	14	15
5	4	6	E	7	а	U	V	zero	к		Р	/	\	lf.	bs
3	2	W	σ	S	Α	9	ī	х	0	L	,	,]	spare _mid	ı ·
1	esc	tab	F	ctrl	С	J	В	z	Ishift		j,	ret	+	del	none
R	Τ	G	Υ	Н	8	N	М	lock	space	1	=	rshift	spare bot	none	попе
								KSO	KS1	KS2	кѕз	KS4	MS1	MS2	мѕз

depressed keys



		Gre	ommet ——
KEYBOARD J1	7-WIRE INTERFACE	KEYBOARD J1	7-WIRE INTERFACE P1
1	27 BLU	U	1 W (20 GAUGE-LARGE WIRE)
2	9 Y	N	2 BLK (20 GAUGE-LARGE WIRE)
3	26 Y/BR	В	3 VIO
4	13 Y/R	Α	4 Y/BLK
5	14 Y/VIO	8	5 O
6	36 Y/GRY	J	6 Y/GRN .
7	24 Y/BLU	14	7 Q/BLK
8	5 O	16	8 O/BRN
9	28 GRY	2	9 Y
13	35 O/VIO	F	10 BLK (26 GAUGE-SMALL WIRE)
14	7 O/BLK	25	11 W/BRN
15	22 O/BLU	23	12 W/GRN
16	8 O/BRN	4	13 Y/R
17	31 BLU/BLK	5	14 Y/VIO
23	12 W/GRN	Z	15 W/BLK
24	33 W/YEL	х	16 W/O
25	11 W/BRN	С	17 GRN .
А	4 Y/BLK	D	18 Y/O
В	3 VIO	V	20 O/GRN
С	17 GRN	Р	21 W/VIO
D	18 Y/O	15	22 O/BLU
E	37 BRN	S	23 O/R
F	10 BLK (26 GAUGE-SMALL WIRE)	7	24 Y/BLU
• н	25 R	Н	25 R
J	6 Y/GRN	3	26 Y/BR
к	29 W (26 GAUGE-SMALL WIRE)	1	27 BLU
. и	2 BLK (20 GAUGE-LARGE WIRE)	9	28 GRY
Р	21 W/VIO	К	29 W (26 GAUGE-SMALL WIRE)
S	23 O/R	т	30 BLU/BRN
т	30 BLU/BRN	17	31 BLU/BLK
U	1 W (20 GAUGE-LARGE WIRE)	w	32 W/BLU
v	20 O/GRN	24	33 W/YEL
w	32 W/BLU	Υ	34 W/R
х	16 W/O	13	35 O/VIO
Y	34 W/R	6	36 Y/GRY
z	15 W/BLK	E	37 BRN
XEROX	Project 7.Wire Terminal Interf	300	File Designer

NOTES:

- 1. CABLE IS 6 FT. LONG + /- 4IN 2. W/GRY WIRE IS CUT OFF

- 3. O/GRY WIRE IS CUT OFF 4. CABLE IS (GORE PN # RCN1924)

	XEROX	Project	7-Wire Terminal Interface	File	Designer	Rev	Date	Page
ı	PARC	D0	Keyboard-Terminal Int. Cable	Terminalcable.sil	Thacker/vest	Gb	12/26/79	1

Changes to generate revision Gb (8/22/79 by CPT).

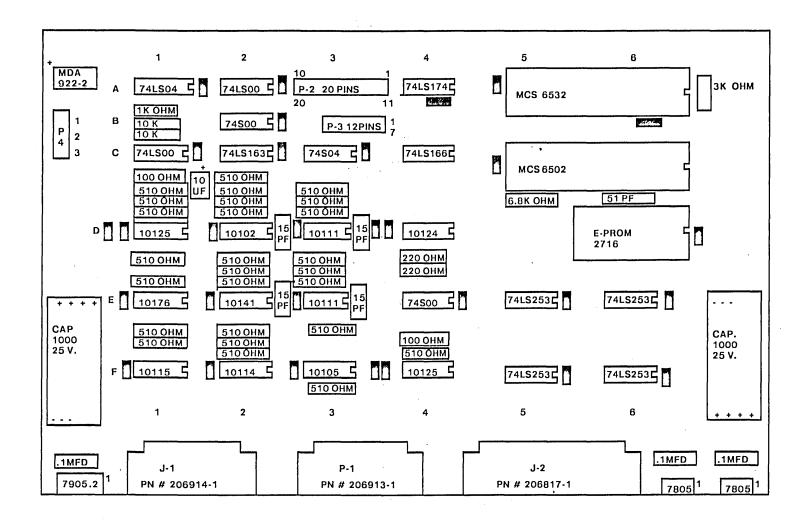
- 1) 6c.21 ← Vcc, 6c.18 ← Gnd (EPROM select signals).
- 2) 2b.3,4,5 ← Gnd, rather than Vcc.
- 3) 4c.6 ← Rst', rather than PU.
- 4) 4b.9 ← Rst', rather than PU.
- Added an additional S00 connected to 6 additional pins of P2.
 This chip provides various flavors of sync via jumpers on P2.
- 6) Changed the way in which Rst' is generated (added power-up reset).

Changed 2 1K resistors to 10K, added 100 ohm resistor and 10uf capacitor, added extra S00 section to generate Rst'.

NOTE: Changes 1-4 will be done to revision A boards via wiring, but 5 and 6 will not be done.

All changes will be incorporated into the revision B artwork.

7	XEROX CSL	Project DO	Terminal Changes	File D0TerminalChanges.sil	Designer Thacker		Date 8/22/79	Page 01
		50		Boterminatorianges.sii	Thacker	ü	O/ EE/ TO	01

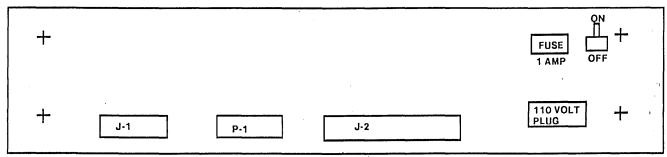


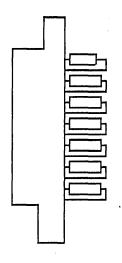
NOTES

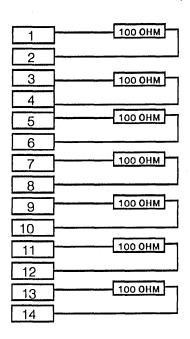
1. IS A .01 UF CAP.

2. IS A .01 UF CAP.



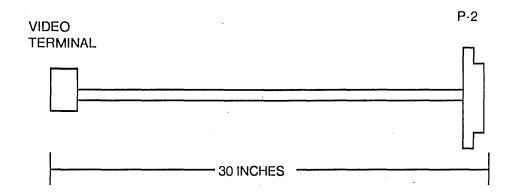






NOTES RESISTORS ARE 100 OHM 1/4 WATT TERMINATOR CONNECTOR IS DA 15S

XEROX	Project	7-Wire Terminal Interface	File	Designe	Rev	Date	Page
PARC	D0	Terminator	TerminalTerminator.sil	Vest	Gb	12/26/79	1



VIDEO

VIDEO CABLE D0

VIDEO 7- WIRE INTERFACE TERMINAL YELLOW 20 8 BLACK 10 10 GREEN 18 9 BLACK 10 ORANGE 6 BLACK 10

VIDEO CABLE DORADO

D. 2

TERMINAL		7- WIRE INTERFACE
8	GREEN	20
10	BLACK	10
9	RED	18
10	BLACK	8
6	WHITE	15
	BLACK	6
10		استخيا

NOTES:

- 1. WIRE IS 26 AWG TWISTED PAIR
- 2. TEMINAL CONNECTOR IS AMPHENOL P/N 225-21031-101
- 3. P-2 CONNECTOR IS AMP 1-87456-6
- 5. COVER CABLE WITH SHRINK TUBING
- 6. ADD 100 OHM 1/4 WATT RESISTOR FROM PIN # 9 TO PIN # 1

ON THE TERMINAL END OF THE CABLE

7. ADD 100 OHM 1/4 WATT RESISTOR FROM

PIN #8 TO PIN #1 ON THE TERMINAL END OF THE CABLE

8. ADD 100 OHM 1/4 WATT RESISTOR FROM

PIN#6TO PIN#1 ON THE TERMINAL END OF THE CABLE

				-			
XEROX	Project	7-Wire Terminal Interface	File	Designer	Rev	Date	Page
PARC	D0	gTerminal cable	Terminalvideocable.sil	VEST	Gb	12/26/79	1